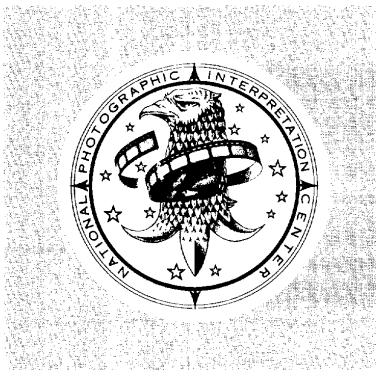


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NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

**BASIC IMAGERY
INTERPRETATION
REPORT**

**SUMMARY OF ACTIVITY IN CUBA
1 JANUARY - 31 DECEMBER 1972
MISCELLANEOUS
CUBA
MARCH 1973**

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Declass Review by NIMA/DOD

RCA-25/5001/73

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25X1

SUMMARY OF ACTIVITY IN CUBA

1 JANUARY - 31 DECEMBER 1972

INTRODUCTION

1. This report summarizes significant intelligence information derived from U-2 aerial surveillance over Cuba during the reporting period 1 January through 31 December 1972. Nineteen productive Old Head (OH) and Olympic Fire (OF) photographic missions (see references) were flown during this period. The final date of information in this report is [REDACTED] 25X1

2. The following is a chronology of significant events and activities observed in Cuba on Old Head and Olympic Fire photography during 1972.

January

4. A Soviet Kashin-class guided missile frigate (DLG) and four SO-1 class submarine chasers (PCS) were probably participating in antisubmarine warfare (ASW) exercises when sighted underway approximately 10 nautical miles (nm) northwest of Mariel. A Kashin DLG and an F-class diesel-powered torpedo attack submarine (SS) were observed earlier in Mariel port on [REDACTED] 25X1

4. SIDE NET radars were identified for the first time in Cuba. Two SIDE NET radars, each with two support vans, were set up at a newly identified radar assembly/checkout facility at Rancho Boyeros Military Camp South (Figure 1). Later approximately 6.0 nm south-southwest of Havana, a SIDE NET radar was deployed at La Habana Radar Facility and another at Santa Cruz del Norte Air Warning Radar Facility. Just two SIDE NET radars were identified in Cuba during 1972.

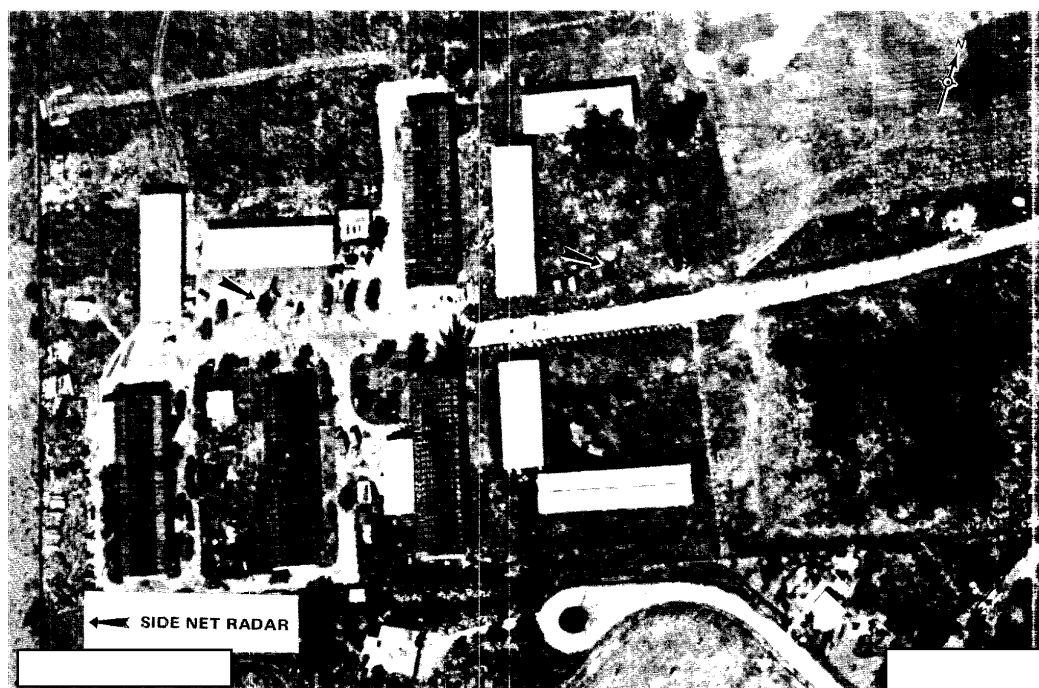


FIGURE 1. SIDE NET RADARS, RADAR ASSEMBLY/CHECKOUT FACILITY, RANCHO BOYEROS MILITARY CAMP SOUTH

4: At San Antonio de Los Banos Airfield, 12 FISHBED (MiG-21) aircraft fuselage shipping crates were observed, where there were five on [REDACTED] Seven were seen as deck cargo on a Soviet freighter near the entrance to Havana Port on [REDACTED] An increase in the count of aircraft component crates was also noted.

25X1

25X1

25: Two OSA-1 Class large guided missile patrol boats (PTFG) were observed, one at Cabanas Naval Base, the other underway 8 nm north of Cabanas. These were the first OSA-1 PTFG boats to be delivered to Cuba. They were towed to Cuba individually by Soviet tugs in [REDACTED] They were berthed at Cabanas Naval Base throughout 1971 (Figure 2).

25X1

March

13: A Soviet Kotlin-Class guided missile destroyer (DDG) was observed for the first time in Cuba at Cienfuegos port on [REDACTED] The Kotlin DDG with an F-Class SS along its port side was berthed at O' Burke pier.

25X1

[REDACTED]

25X1

13: Seventy-four STYX SS-N-2 naval missile shipping crates were observed for the first time at La Habana Military Storage Depot. The 76 STYX crates seen in open storage at San Diego de Nunez Military Camp on 25 January were not there [REDACTED]

25X1

13: The two newly constructed radar mounds were complete and occupied at Santa Cruz del Norte Air Warning Radar Facility.



25X1

FIGURE 2. OSA-1 CLASS LARGE GUIDED MISSILE PATROL BOATS (PTFG), CABANAS NAVAL BASE

April

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19: [REDACTED] was observed on Old Head photography for the first time in Cuba. It was sighted approximately 2.5 nm northwest of the entrance to Havana port.

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19: [REDACTED] was at Cayo Alatraz Naval Support Facility in Cienfuegos Harbor.

19: A Kotlin DDG and an F-SS were in Mariel port.

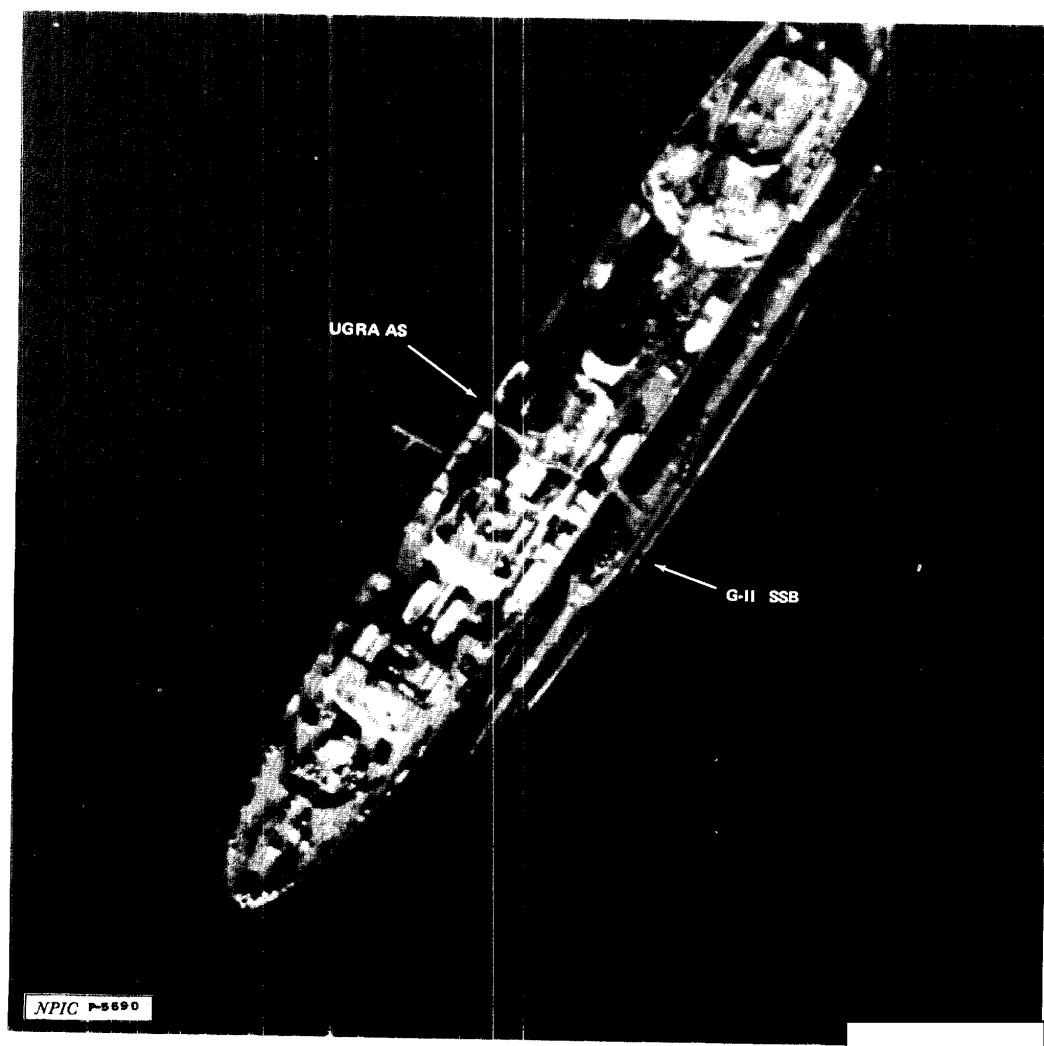
19: An additional FISHBED fuselage shipping crate was observed at San Antonio de Los Baños Airfield, increasing the count to 13.

28: A Kronshtadt-Class submarine chaser (PC) and an SO-1 Class submarine chaser (PCS) were at Antilla Port.

30: A probable Ugra-Class submarine tender (AS) was anchored in Bahia de Nipe. Interpretability was limited by clouds and haze.

May

2: A Soviet G-II class diesel-powered ballistic missile submarine (SSB) was identified for the first time in Cuba, in Bahia de Nipe. The G-II SSB was moored along the port side of an Ugra AS at anchor in the northeastern portion of the bay (Figure 3). A Kotlin DDG



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FIGURE 3. G-II CLASS BALLISTIC MISSILE SUBMARINE (SSB), AND UGRA-CLASS SUBMARINE TENDER (AS), BAHIA DE NIPE

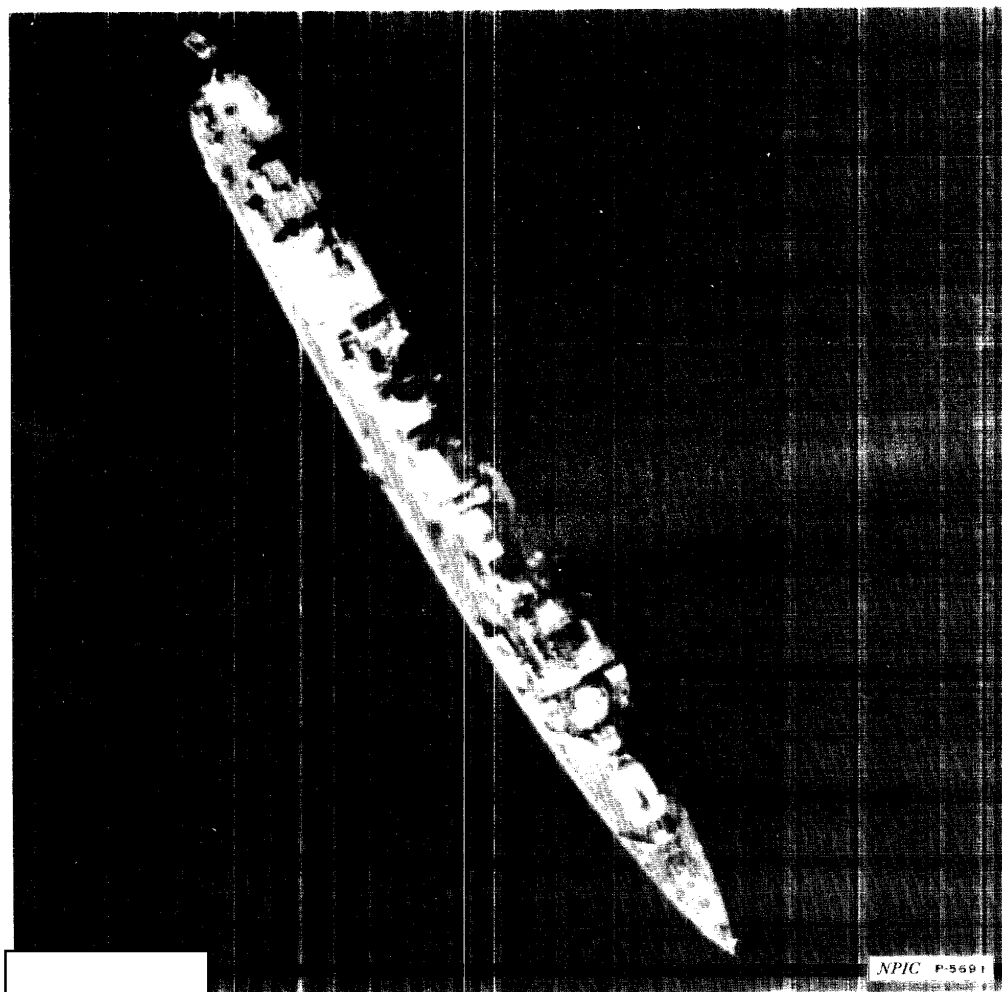


FIGURE 4. KOLTUN-CLASS GUIDED MISSILE DESTROYER (DDG) BAHIA DE NIPE

(Figure 4) was anchored approximately 1,300 meters (4,264 feet) southwest of the G-II SS 3 and the Ugra AS. The SSOCS Gagarin was also in Bahia de Nipe (Figure 5).

2: An F-SS, an Altav Naval Oiler (AO), and an Okhtenskiy-Class ocean rescue tug (ATR) were in Mariel Port.

2: [redacted] was seen again in Cienfuegos at Cayo Alcatraz Naval Support Facility.

June

24: The two special purpose barges observed at Cienfuegos Naval Base since [redacted] were on a marine railway at Punta Majaqua in Cienfuegos Port.

August

12: The [redacted] was at Cayo Alcatraz Naval Support Facility.

September

9: Two Soviet TU-95 BEARD aircraft were at Jose Marti International Airfield.

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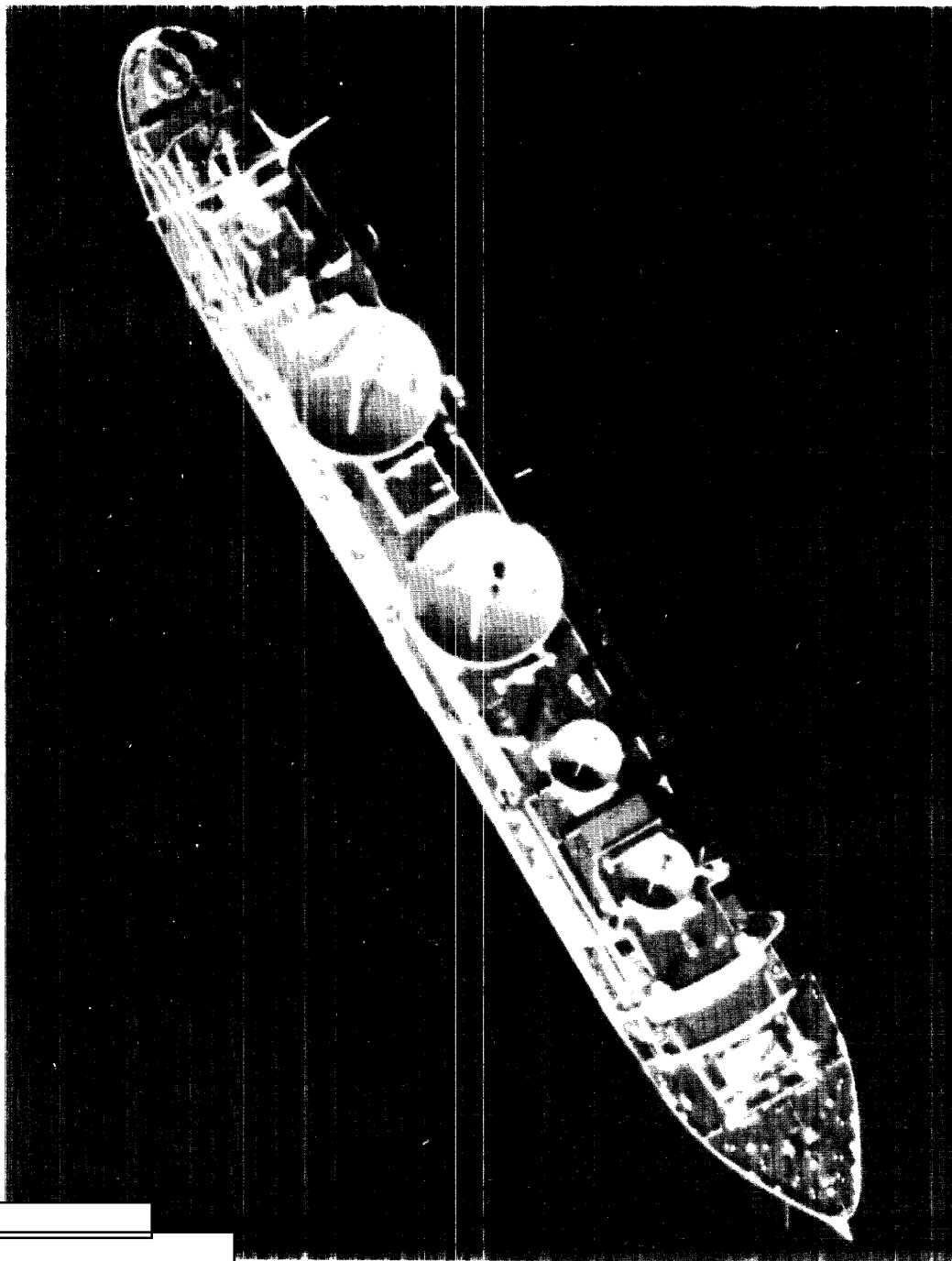


FIGURE 5. SOVIET SPACE OPERATIONS CONTROL SHIP (SSOCS) COSMONAUT YURI GAGARIN, BAHIA DE NIPE

October

20: One BEAR D, one CLOOT, and one BRITANNIA aircraft were in the military maintenance area at Jose Marti International Airfield.

November

26: Three BEAR D and one CLEAT aircraft were in the military maintenance area at Jose Marti International airfield (Figure 6). The outboard starboard engine and a section of the outboard wing had been removed from one of the BEAR.

26: SA-2 missiles and associated equipment had been removed from Punta Ballenatos SAM Site Az6-2.

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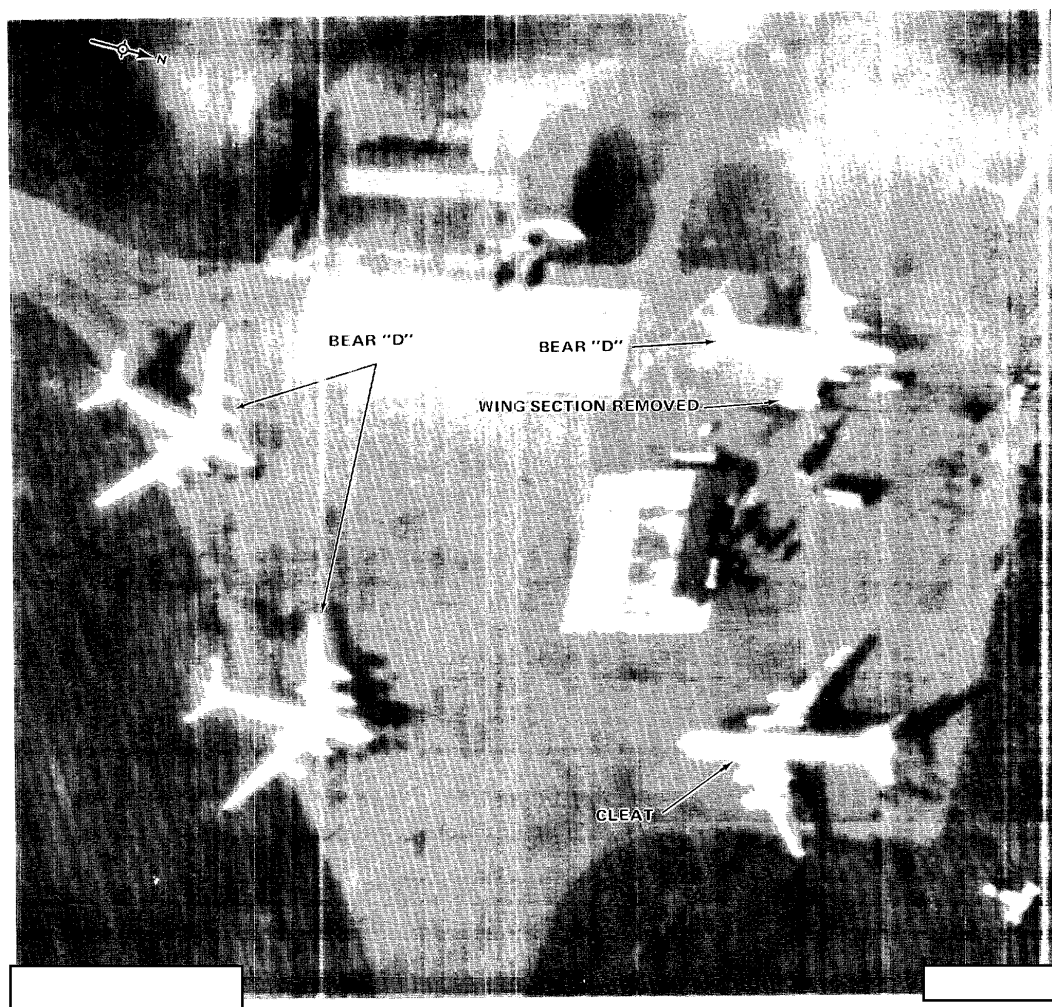


FIGURE 6. SOVIET TU-95 BEAR D AIRCRAFT, JOSE MARTI INTERNATIONAL AIRFIELD

December

3, 8, and 13: A large Soviet naval task group was in Cienfuegos Port. The group included an E-11 nuclear-powered cruise missile submarine (SSGN), an F-SS, a Kresta-I class guided missile cruiser (CLGM), a Kanin-class guided missile destroyer (DDG), a Kazbek-class oiler (AO), and an Okhtenskiy-class auxiliary rescue tug (ATA). A MOMA-class intelligence collector/hydrographic survey ship (AGI/AGS) was in Cienfuegos port on 3 and 8 December. The two special-purpose barges, usually at Cienfuegos Naval Base, were at the POL pier in Cienfuegos Port on [REDACTED]

3, 8, and 13: Repairs/maintenance continued on the BEAR D at Jose Marti International Airfield.

8: A communications satellite (COMSAT) ground station, in a midstage of construction, was identified near Tapaste, Cuba (Figure 7). The installation consisted of a circular control building, [REDACTED] in diameter, partially inset near one end of a large L-shaped building. Twelve support buildings were in varying stages of construction. The COMSAT station is 3.0 nm east-northeast of Tapaste and 16.0 nm southeast of Havana. There was no evidence of construction activity at this location on [REDACTED]

8, 13, and 30: FAN SONG F tracking/guidance radars were identified for the first time in Cuba on photography of [REDACTED]. Two FAN SONG F radars were set up with associated SA-2 SAM equipment in a probable checkout/training mode at Managua WADZ Headquarters SAM Brigade No 2, 7.0 nm northeast of Bejucal. The FAN SONG F radars were at this location as early as [REDACTED] and were there on [REDACTED] (Figure 8). No FAN SONG F radars were identified at the deployed operational SA-2 SAM launch sites in Cuba during 1972.

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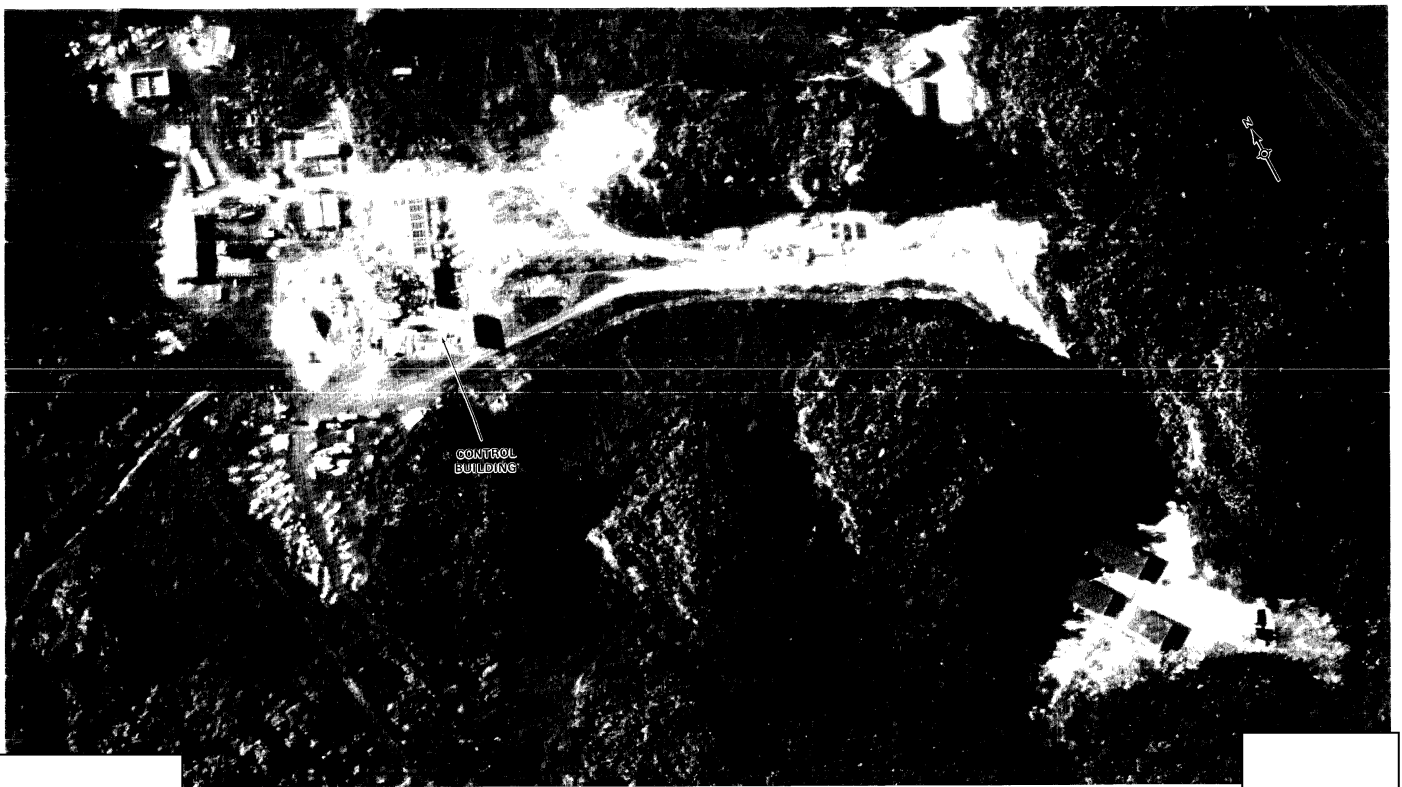


FIGURE 7. COMMUNICATIONS SATELLITE, COMSAT, GROUND STATION, UNDER CONSTRUCTION, TAPASTE

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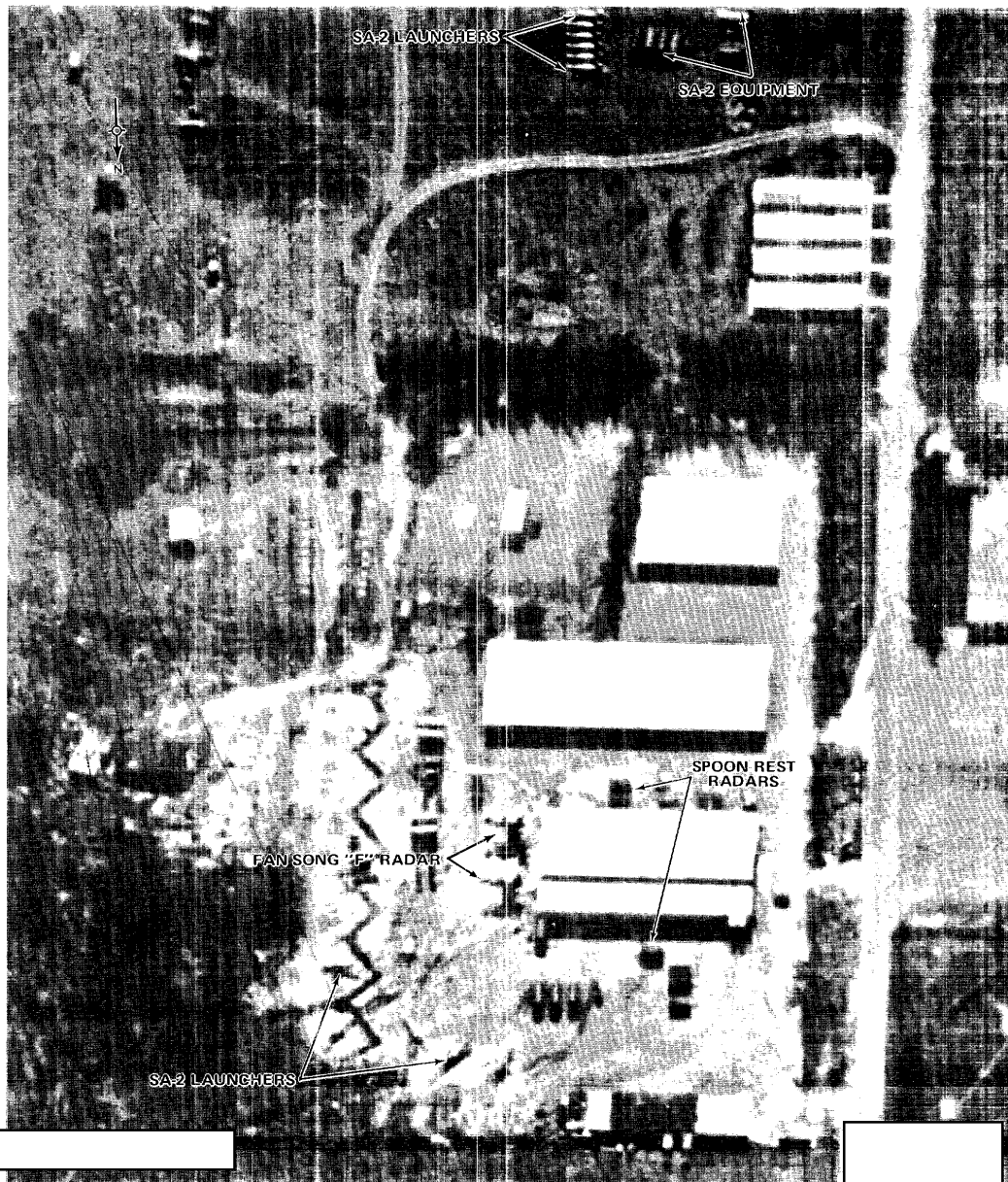


FIGURE 8. FAN SONG "F" RADARS, MANAGUA WADZ HEADQUARTERS SAM BRIGADE NO. 2

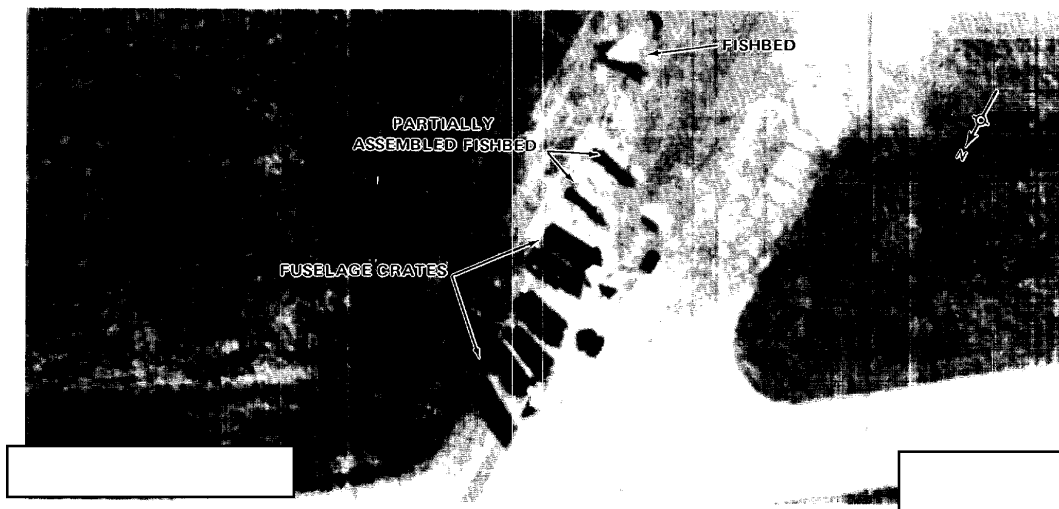


FIGURE 9. FISHBED (MiG-21) AIRCRAFT ASSEMBLY, SAN ANTONIO DE LOS BAÑOS AIRFIELD

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25X1 30: Santa Fe SAM Training Site A09-02, on the Isle of Pines, was occupied on [] 25X1
 [] The two adjacent four-position launch sites were fully complemented with SA-2
 25X1 missiles and SA-2 system associated equipment. The sites had last been seen occupied on
 25X1 []
 25X1 30: [] were in Mariel Port.
 25X1 30: At Cienfuegos, [] was at the POL pier. [] 25X1
 25X1 [] were moored in the northern sector of the bay. The
 two special-purpose barges were at Cienfuegos Naval Base.
 30: At San Antonio de Los Banos Airfield, six FISHBED fuselage crates had been
 moved to a crossover link at the west end of the Northeast/Southwest runway. At least four
 of the crates were open, and two FISHBED aircraft were being assembled (Figure 9).
 30: One BEAR D and one CLEAT aircraft were in the military maintenance area at
 Jose Marti International Airfield.
 30: A large floating drydock, not present on [] was located in the 25X1
 southwest portion of Havana harbor. It was positioned alongside a finger pier at the fishing
 terminal.

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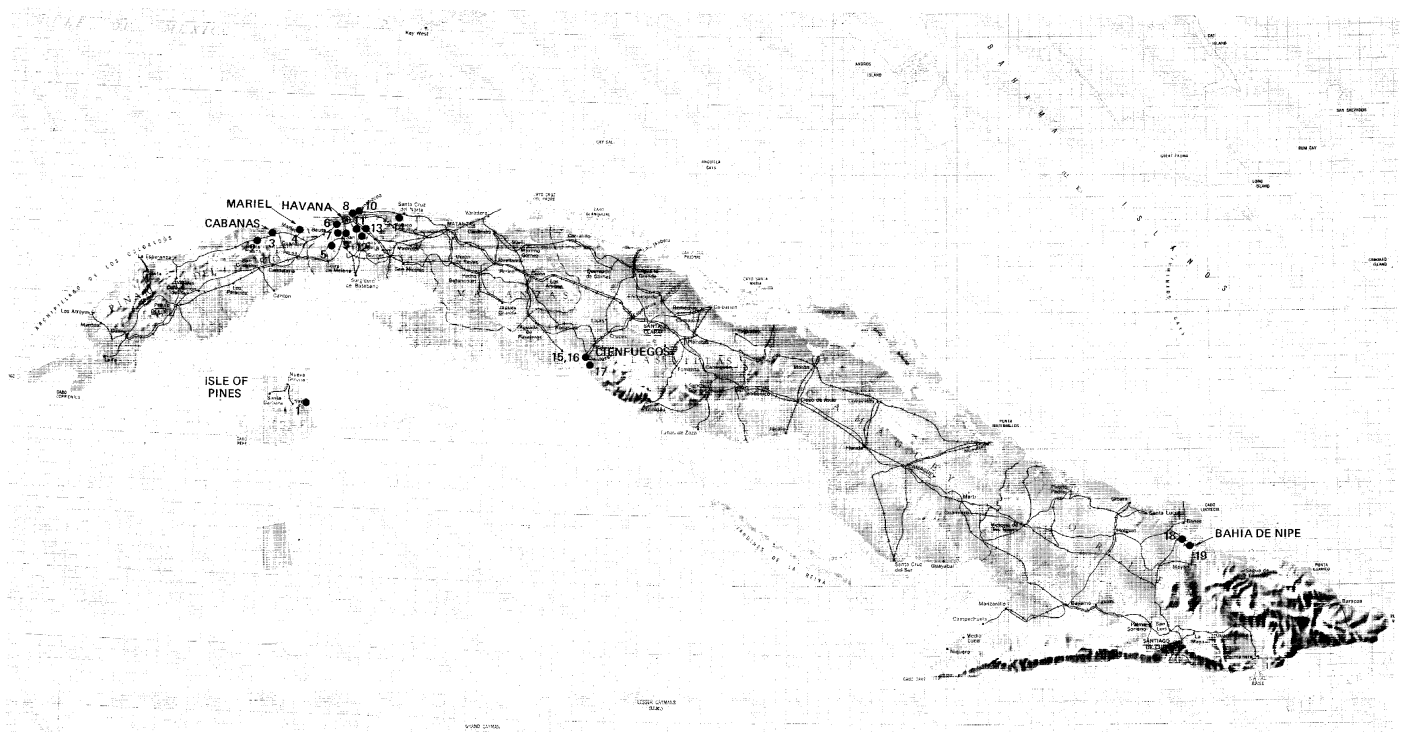


FIGURE 10. LOCATION OF PRINCIPAL INSTALLATIONS

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Table 1. List of Targets

Name	Map Item No	Coordinates	BE Number	COMIREX	Name	Map Item No	Coordinates	BE Number	COMIREX
<u>SAM Installations</u>					<u>Port and Naval Facilities (Cont'd)</u>				
Santa Fe SAM Training Site A09-02	1	21-44-52N 082-38-47W			Cienfuegos Naval Base	16	22-09-03N 080-27-20W		
Punta Ballenatos SAM Site A26-02	6	23-04-40N 082-29-45W			Cayo Alcatraz Naval Support Facility	17	22-05-39N 080-26-17W		
Managua WADZ Headquarters SAM Brigade No. 2	12	22-58-19N 082-16-59W			Havana Port Facilities	8	23-07-50N 082-20-50W		
<u>Airfields</u>					Antilla Port Facilities	18	20-49-25N 075-44-38W		
San Antonio de Los Banos Airfield	5	22-52-16N 082-30-34W			Mariel Port Facilities	4	23-00-41N 082-44-56W		
Jose Marti International Airfield	9	22-59-22N 082-24-27W			Bahia de Nipe	19	20-47-00N 075-40-00W		
<u>Port and Naval Facilities</u>					<u>Other Facilities</u>				
Cabanas Naval Base	3	22-58-50N 082-58-40W			La Habana Radar Facility	10	23-08-54N 082-19-33W		
Cienfuegos Port Facilities	15	22-08-25N 080-27-20W			Santa Cruz del Norte AW Radar Facility	14	23-08-12N 081-58-10W		
					Tapaste COMSAT Ground Station	13	23-02-14N 082-14-45W		
					La Habana Military Storage Depot	11	23-02-42N 082-18-51W		
					Rancho Boyeros Military Camp South	7	22-59-19N 082-25-30W		
					San Diego de Nunez Military Campe	2	22-54-50N 083-05-33W		

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